

IN THE CLAIMS:

Please rewrite the claims of this application as follows:

1. (Currently Amended) A system comprising a sever and a plurality of networks that are separately connected to said server;
wherein each said network includes
at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,
a communication device that sends said preselected data received from said server to all mobile terminals primarily assigned to any of said plurality of networks located within a range of communication of said communication device wirelessly, and
a detection device that detects any said mobile terminals primarily assigned to any of said plurality of networks present within said range of communication of said communication device by detecting said output of said received preselected data therefrom; and
wherein said server includes
a communication circuit that communicates with the communication device and the detection device included in each said network,

a storage circuit connected to said communication circuit,
said storage circuit storing in the form of a
management table for each ~~said~~ mobile terminal (i)
information specifying the network in which ~~the~~ that
mobile terminal is currently located based on
information received from said detection device and
(ii) prestored information specifying the home
network of ~~the~~ that mobile terminal, and
a control circuit connected to said communication circuit
and to said storage circuit, said control circuit being
adapted to receive data and information ~~indicating~~
including a portion indicating a specified one of said
at least one mobile terminal primarily assigned to
one of said plurality of networks as the destination of
~~the data~~ a remainder of said received data and
information, and to control said communication
circuit such that it sends said remainder of said
received data and information to the specified ~~one of~~
~~said at least one~~ mobile terminal based on
information concerning the specified ~~one of said at~~
~~least one~~ mobile terminal contained in said
management table.

2. (Currently Amended) The network system according to claim 1,
wherein the ~~detection~~ communication device includes
a first transmission circuit that transmits inquiry
information concerning whether any mobile terminal
is located within the communication range of ~~said~~
the communication device,
wherein the detection device includes
a receiving circuit that receives in-zone information output
by all mobile terminals present within the
communication range of the communication device
in response to said inquiry information, and
a second transmission circuit connected to said
receiving circuit that transmits to said server first
identification information specifying the ones of ~~said~~
~~at least one~~ of the mobile terminals that transmitted
said in-zone information and second identification
information specifying the network in which said
detection device is included,
wherein said storage circuit includes a circuit storing
a management table including, for each mobile terminal
identified by the first identification information, said
second identification information and said prestored
information specifying the home network of each
mobile terminal present within the communication
range of the communication device;
wherein said data and information indicating a specified one of the
~~at least one~~ mobile terminals as the destination of
the remainder of the data and information is
represented in the first identification information,
and

wherein said control circuit includes

- a circuit that reads from said management table the second identification information corresponding to the first identification information;
- a circuit that compares the read second identification information and the prestored information specifying the home network, and
- a circuit that controls said communication circuit so as to send ~~said received~~ the remainder of said data and information to the communication device located in the network identified by the second identification information when the read second identification information and the information identifying the home network differ from one another.

3. (Currently Amended) The network system according to claim 1, wherein said ~~server~~ server further includes a connection circuit that connects to another network not included in said plurality of networks, and
- said ~~server~~ server receives said data and ~~the~~ information indicating the specified ~~one of the at least one~~ mobile terminal as the destination of the remainder of the received data and information from a device connected to said another network.

4. (Previously presented) The network system according to claim 3, wherein
said another network is the Internet, and
said connection circuit includes a circuit that connects to
the Internet via a public network.
5. (Currently Amended) A system comprising a server and a plurality of
networks that are separately connected to said server,
wherein each said network includes
at least one mobile terminal primarily assigned to
said network as its home network that
receives preselected data from said server and
outputs the received preselected data, said at
least one mobile terminal being movable from
its primarily assigned network to another of
said plurality of networks,
a communication device that sends said preselected
data received from said server to all of said at
least one mobile terminals located within a
range of communication of said
communication device wirelessly, and
a detection device that detects any of said at least
one mobile terminals primarily assigned to
any of said plurality of networks present
within said range of communication of said
communication device by detecting said
output of said received preselected data
therefrom; and

wherein said server includes

communication means for communicating with the
communication device and the detection
device included in each said network,

storage means, connected to said communication
means for storing in the form of a
management table for each ~~said~~ mobile
terminal (i) information specifying the network
in which ~~the~~ that mobile terminal is currently
located based on information received from
said detection device and (ii) prestored
information specifying the home network of
~~the~~ that mobile terminal, and

control means connected to said communication
means and to said storage means, for
receiving data and information including a
portion indicating a specified ~~one of said at~~
~~least one~~ mobile terminal primarily assigned
to one of said networks as the destination of
~~the data~~ a remainder of said received data and
information, and for controlling said
communication means such that it sends said
remainder of said received data and
information to the specified ~~one of said at least~~
~~one~~ mobile terminal based on the information
concerning the specified ~~one of the at least~~
~~one~~ mobile terminal contained in said
management table.

6. (Currently Amended) The network system according to claim 5,
wherein said ~~detection~~ communication device includes
first transmission means for transmitting inquiry
information concerning whether any mobile terminal
is located within the communication range of said
the communication device,
wherein the detection means includes
receiving means for receiving in-zone information output by
all mobile terminals present within the
communication range of the communication device
in response to said inquiry information, and
second transmission means, connected to said receiving
means, for transmitting to said server, first
identification information specifying the ones of the
~~at least one~~ mobile terminals that transmitted said
in-zone information and second identification
information specifying the network in which said
detection device is included,
wherein said storage means includes means for storing a
management table including, for each mobile terminal
identified by the first identification information, said second
identification information and said prestored information
specifying the home network of each mobile terminal
present within the communication range of the
communication device;
wherein said data and information indicating a specified one of
~~said at least one~~ the mobile terminals as the destination of
the remainder of the data and information is represented in
the first identification information, and

wherein said control means includes

means for reading from said management table the second identification information corresponding to the first identification information ~~received~~,

means for comparing the read second identification information and the prestored information specifying said home network, and

means for controlling, said communication means so as to send ~~said received~~ the remainder of said data and information to the communication device located in the network identified by the read second identification information when the read second identification information and the information specifying the home network differ from one another.

7. (Currently Amended) The network system according to claim 5, wherein said server further includes connection means for connecting to another network not included in said plurality of networks, and said server receives said data and the information indicating the specified ~~one of said at least one~~ mobile terminal as the destination of the remainder of the received data and information from a device connected to said another network.

8. (Previously presented) The network according to claim 7, where said another network is the Internet, and said connection means includes means for connecting to said Internet via a public network.

9. (Currently Amended) A server for use in a system including the server and a plurality of networks that are separately connected to said server,
wherein each said network includes
at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,
a communication device that sends said preselected data received from said server to any of said at least one mobile terminals primarily assigned to any of said plurality of networks located within a range of communication of said communication device wirelessly, and

a detection device that detects any of said at least one mobile terminals primarily assigned to any of said plurality of networks present within said range of communication of said communication device by detecting said output of said received preselected data therefrom;

said server comprising:

a communication circuit that communicates with the communication device and the detection device included in each said network;

a storage circuit connected to said communication circuit, said storage circuit storing in the form of a management table, for each ~~said~~ mobile terminal, (i) information specifying the network in which ~~the~~ that mobile terminal is currently located based on information received from said detection device and (ii) prestored information specifying the home network of ~~the~~ that mobile terminal; and

a control circuit connected to said communication circuit and to said storage circuit, said control circuit being adapted to receive data and information including a portion indicating a specified ~~one of said at least one~~ mobile terminal primarily assigned to one of said plurality of networks as the destination of the data a remainder of said received data and information, and to control said communication circuit such that it sends said remainder of said received data and information to the specified ~~one of said at least one~~ mobile terminal based on information concerning the specified ~~one of the at least one~~ mobile terminal contained in said management table.

10. (Currently Amended) The server according to claim 9,
wherein said ~~detection~~ communication device includes
a first transmission circuit that transmits inquiry information concerning whether any mobile terminal is located within the communication range of said communication device,
wherein said detection device includes
a receiving circuit that receives in-zone information output by all mobile terminals present within the communication range of the communication device in response to said inquiry information, and

a second transmission circuit connected to said receiving circuit that transmits to said server, first identification information specifying the ones of ~~said at least one~~ the mobile terminals that transmitted in-zone information and second identification information specifying the network in which said detection device is included,

wherein said storage circuit includes a circuit storing a management table including, for each mobile terminal identified by the first identification information, said second identification information and said prestored information specifying the home network of each mobile terminal present within the communication range of the communication device,

wherein said data and information indicating a specified one of ~~said at least one~~ the mobile terminals as the destination of the remainder of the data and information is represented in the first identification information, and

wherein said control circuit includes

- a circuit that reads from said management table the second identification information corresponding to the first identification information,
- a circuit that compares the read second identification information and the prestored information specifying the home network, and

a circuit that controls said communication circuit so as to send ~~said received~~ the remainder of said data and information to the communication device in the network identified by the read second identification information when the read second identification information and the information specifying the home network differ from one another.

11. (Currently Amended) The server according to claim 9, further comprising a connection circuit that connects to another network not included in said plurality of networks, wherein said server receives said data and the information indicating the specified ~~one of the at least one~~ mobile terminal as the destination of the remainder of the data and information from a device connected to said another network.

12. (Previously presented) The server according to claim 11, wherein said another network is the Internet, and said connection circuit includes a circuit that connects to the Internet via a public network.

13.(Currently Amended) A server for use in a system including a server and a plurality of networks that are separately connected to said server, wherein each said network includes

at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,

a communication device that sends said preselected data received from said server to any of said at least one mobile terminals primarily assigned to any of said plurality of networks located within a range of communication of said communication device wirelessly, and

a detection device that detects any of said at least one mobile terminals primarily assigned to any of said plurality of networks present within said range of communication of said communication device by detecting said output of said received preselected data therefrom; and

said server comprising:

communication means for communicating with the communication device and the detection device included in each said network;

storage means, connected to said communication means for storing in the form of a management table for each ~~said~~ mobile terminal (i) information specifying the network in which ~~the~~ that mobile terminal is currently located based on information received from said detection device and (ii) prestored information specifying the home network of ~~the~~ that mobile terminal; and

control means, connected to said communication means and to said storage means, for receiving data and information indicating a specified ~~one of said at least one~~ mobile terminal as the destination of ~~the~~ a remainder of the data and information, and for controlling said communication means such that it sends said ~~received~~ remainder of said data and information to the specified ~~one of said at least one~~ mobile terminal based on the information concerning the specified ~~one of said at least one~~ mobile terminal contained in said management table.

14.(Currently Amended) The server according to claim 13,

wherein said ~~detection~~ communication device includes

first transmission means for transmitting inquiry

information concerning whether any mobile terminal is located within the communication range of ~~said~~ the communication device,

wherein the detection device includes

receiving means for receiving in-zone information output by
all mobile terminals present within the
communication range of the communication device
in response to said inquiry information, and
second transmission means, connected to said receiving
means, for transmitting to said server first
identification information specifying the ones of the
~~at least one~~ mobile terminals that transmitted in-
zone information and second identification
information specifying the network in which said
detection device is included,

wherein said storage means includes means for storing a
management table including, for each mobile terminal
identified by the first identification information, said second
identification information and said prestored information
specifying the home network of each mobile terminal
present within the communication range of the
communication device,

wherein said data and information indicating a specified one of
~~said at least one~~ mobile terminals as the destination of the
data and information is represented in the first
identification information, and

wherein said control means includes

means for reading from said management table the second
identification information corresponding to the first
identification information,
means for comparing the read second identification
information and the prestored information specifying
the home network, and

means for controlling said communication means so as to send said received data and information to the communication device in the network identified by the read second identification information when the read second identification information and the information specifying the home network differ from one another.

15. (Currently Amended) The server according to claim 13, further comprising connection means for connecting to another network not included in said plurality of networks, and said server receives said data and the information indicating the specified ~~one of the at least one~~ mobile terminal as the destination of the remainder of the data and information from a device connected to said another network.

16. (Previously presented) The server according to claim 15, wherein said another network is the Internet, and said connection means includes means for connecting to the Internet via a public network.

17.(Currently Amended) A communication method of a server in a system including the server and a plurality of networks that are separately connected to said server,

wherein each said network includes

at least one mobile terminal primarily assigned to

said network as its home network that

receives preselected data from said server and

outputs the received preselected data, said at

least one mobile terminal being movable from

its primarily assigned network to another of

said plurality of networks,

a communication device that sends said preselected

data received from said server to any of said at

least one mobile terminals primarily assigned

to any of said plurality of networks located

within a range of communication of said

communication device wirelessly, and

a detection device that detects any of said at least

one mobile terminals primarily assigned to

any of said plurality of networks present

within said range of communication of said

communication device by detecting said

output of said received preselected data

therefrom; and

said communication method comprising the steps of:

storing in the form of a management table including,
for each said mobile terminal, (i) information
specifying the network in which ~~the~~ that
mobile terminal is currently located based on
information received from said detection
device and (ii) prestored information specifying
~~said the~~ the home network of ~~the~~ that mobile
terminal; and

receiving data and information indicating a specified
one of said ~~at least one~~ mobile terminals as
the destination of the data and information,
and,

sending said received data and information to the
specified one of said ~~a least one~~ mobile
terminals as the destination thereof.

18. (Currently Amended) The communication method according to claim 17,

wherein said ~~detection~~ communication device includes

a first transmission circuit that transmits inquiry
information concerning whether any mobile terminal
is located within the communication range of said
the communication device,

wherein the detection device includes

a receiving circuit that receives in-zone information output
by all mobile terminals present within the communication range of
the communication device in response to said inquiry information,
and

a second transmission circuit connected to said
receiving circuit that transmits to said server, first
identification information specifying the ones of ~~said~~
~~at least one~~ the mobile terminals that transmitted
said in-zone information and second identification
information specifying the network in which said
detection device is included,

wherein said step of storing the management table includes the
step of storing a management table including, for each
mobile terminal identified by the first identification
information, said second identification information and said
prestored information specifying the home network of each
mobile terminal present within the communication range of
the communication device,

wherein said data and information indicating a specified one of
~~said at least one~~ the mobile terminals as the destination of
the remainder of the data and information is represented in
the first identification information, and

wherein said step of sending ~~said received~~ the remainder of said
data and information to said specified ~~one of said at least~~
~~one~~ mobile terminal as the destination thereof includes the
steps of

reading from said management table the second
information corresponding to the first
identification information,

comparing the read second identification
information and the prestored information
specifying the home network, and
sending ~~said received~~ the remainder of said data and
information to the communication
device in the network identified by the read
second identification information when the
read second identification information and the
information specifying the home network differ
from one another.

19. (Currently Amended) The communication method according to claim 17,
wherein said server is connected to another network not included
in said plurality of networks and
said server receives said data and the information indicating the
specified ~~one of the at least one~~ mobile terminal as the
destination of the remainder of the data and information
from a device connected to said another network.

20. (Previously presented) The communication method according to claim 19,
wherein said another network is the Internet, and
said server is connected to the Internet via a public
network.

21. (Currently Amended) A computer readable recording medium for use in recording a program for implementing a communication method of a server in a system including a server and a plurality of networks separately connected to said server,

wherein each said network includes

at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,

a communication device that sends said preselected data received from said server to any of said at least one mobile terminals primarily assigned to any of said plurality of networks located within a range of communication of said communication device wirelessly, and

a detection device that detects any of said at least one mobile terminals primarily assigned to any of said plurality of networks present within said range of communication of said communication device by detecting said output of said received preselected data therefrom; and

wherein said communication method comprises the steps of:

storing a management table including, for each said mobile terminal, (i) information specifying the network in which ~~the~~ that mobile terminal is currently located based on information received from said detection device and (ii) prestored information

specifying ~~said~~ the home network of ~~the~~ each said
mobile terminal; ~~and~~
receiving data and information indicating a specified one of
~~said-at-least-one~~ mobile terminals as the destination
of the data and information, and,
sending said received data and information to the specified
one of ~~said-at-least-one~~ mobile terminals based on
the information concerning the specified one of the ~~at~~
~~least-one~~ mobile terminals contained in said
management table.

22. (Currently Amended) The recording medium according to claim 21,
wherein said ~~detection~~ communication device includes
a first transmission circuit that transmits inquiry
information concerning whether any mobile terminal
is located within the communication range of said
communication device,
wherein the detection device includes
a receiving circuit that receives in-zone information output
by all mobile terminals present within the communication
range of the communication device in response to said
inquiry information, and
a second transmission circuit connected to said receiving
circuit that transmits to said server first
identification information specifying the ones of ~~said~~
~~at-least-one~~ the mobile terminals that transmitted
said in-zone information and second identification
information specifying the network in which said
detection device is included,

wherein said step of storing a management table includes the step of storing a management table including, for each mobile terminal identified by the first identification information, said second identification information and said prestored information specifying said home network of each mobile terminal present within the communication range of the communication device,

wherein said data and information indicating a specified one of ~~said at least one~~ the mobile terminals as the destination of the remainder of the data and information is represented in the first identification information, and

wherein said step of sending ~~said received~~ the remainder of the data and information to said specified one of ~~said at least one~~ the mobile terminals as the destination thereof includes the steps of

reading from said management table the second information corresponding to the first identification information,

comparing the read second identification information and the prestored information specifying the home network, and

sending ~~said received~~ remainder of said data and information to the communication device in the network identified by the read second identification information when the read second information and the information specifying the home network differ from one another.

23.(Currently Amended) The recording medium according to claim 21,
wherein said server is connected to another network not included
in said plurality of networks, and
said server receives said data and the information indicating the
specified ~~one of said at least one~~ mobile terminal as the
destination of the remainder of the data and information
from a device connected to said another network.

24.(Previously presented) The recording medium according to claim 23, wherein
said another network is the Internet, and
said connection means includes means for connecting to
the Internet via a public network.